

CENTRAL INTELLIGENCE AGENCY

REPORT

INFORMATION REPORT

CD NO.

COUNTRY East Germany

DATE DISTR. 3 October 1955

SUBJECT Fuel Sample from a Railroad Tank Car Unloaded
at Brandis Airfield

NO. OF PAGES 2

PLACE
ACQUIRED

NO. OF ENCLS.
(LISTED BELOW)DATE
INFO.

SUPPLEMENT TO
REPORT NO.

25X1

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Fuel sample

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In early June 1955, a fuel sample was obtained from a railroad tank car which had been unloaded at Brandis airfield. The origin of the contents of the tank car could not be determined.

Comment. A qualitative analysis was conducted which, however, did not offer any clue as to what type of basic crude oil had been used for the distillation of the fuel in question. Judging by the low aromatics content, the low sulphur content, as well as the relatively high aniline point, it may be assumed that a naphthene-basic crude oil has been used. The analysis furthermore disclosed that the product cannot be classified according to any of the generally accepted standards for jet fuel. Its flash point is too low and its color is beyond the specified limits. It may be stated that the formula does not apply to any of the conventional petroleum-refining products.

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The analysis gave the following results:

D15/4	0.7851 = 48,7 API°
Color	pale yellow
Corrosion 3h/100°	negative
Flash point A.P.	29,5° centigrade
Tetraethyl lead content	0
Sulphur content	0.130
Freezing point	below minus 65° centigrade
Aniline point	59.2° centigrade
Aniline gravity constant	6750
Gum	1.4 mgr/100 ml
Aromates	13.5 volume percent

Boiling analysis

Initial boiling temperature	130° centigrade
5 percent	
10 "	143
20 "	155.5

CLASSIFICATION ~~S-E-C-R-E-T~~

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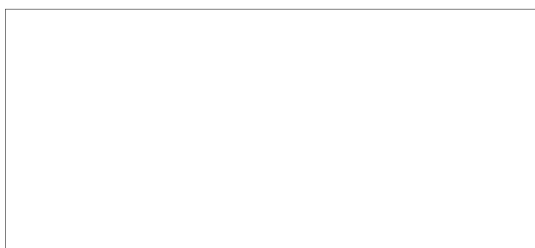


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30 percent	162
40 "	169
50 "	177
60 "	185
70 "	195
80 "	206
90 "	222
95 "	239

Final boiling te per ture	266
Output percentage	98.5
Loss	0



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